

FIG.1

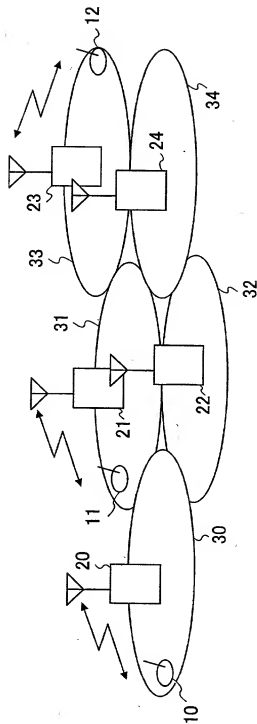


FIG.2

DEFINITION	CCPCH
(a) MAXIMUM TOTAL TRANSMISSION POWER OF BASE STATION (dBm)	42.00
(b) TRANSMISSION POWER OF DESIGN TARGET CHANNEL (dBm)	36.00
(b1) POWER RATIO OF DESIGN TARGET CHANNEL (%)	25.12
(c) TRANSMITTER FEEDER LOSS (dB)	3.00
(d) TRANSMITTER ANTENNA GAIN (dB)	17.00
(e) EFFECTIVE TOTAL RADIATION POWER (dBm)	56.00
(f) EFFECTIVE RADIATION POWER OF DESIGN TARGET CHANNEL (dBm)	50.00
(g) RECEIVER ANTENNA GAIN (dB)	0.00
(h) RECEIVER FEEDER LOSS (dB)	0.00
(i) THERMAL NOISE POWER DENSITY (dBm/Hz)	-174.00
(j) RECEIVER NOISE FIGURE NF (dB)	5.00
(k) SYMBOL RATE (ksps)	15.00
(l) SYMBOL RATE (dBHz)	41.76
(m) THERMAL NOISE POWER (dBm)	-127.24
(n) CHIP RATE (Mcps)	3.84
(o) COEFFICIENT OF INTERFERENCE FROM OTHER CELLS (dB)	8.00
(p) REQUIRED SIGNAL TO INTERFERENCE POWER Λ (dB)	7.00
(q) ORTHOGONALITY COEFFICIENT	0.50
(r) REQUIRED RECEIVING POWER (dBm)	-116.95
(s) DHO GAIN (dB)	0.00
(t) SHADOWING MARGIN OF HIGH-SPEED TRANSMISSION POWER CONTROL (dB)	5.30
(v) BUILDING PENETRATION LOSS (dB)	0.00
(w) A ANTENNA BEAM TILT COMPENSATION (dB)	6.00
(x) ALLOWABLE PROPAGATION LOSS (dB)	0.00
(y) RANGE (km)	155.65
	4.12

FIG. 3

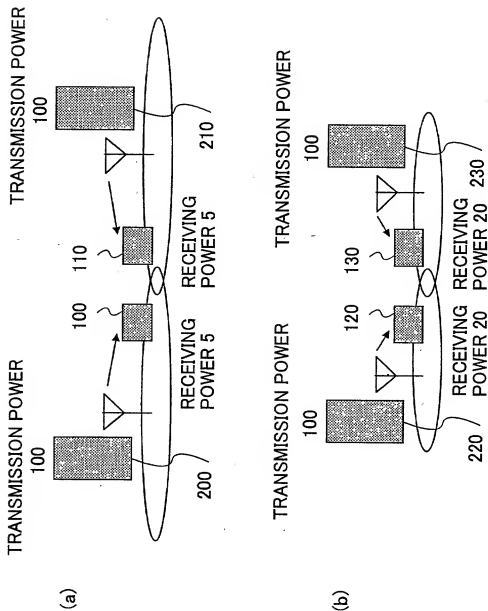


FIG.4

SERVICE	①	②	③
(a) MAXIMUM TOTAL TRANSMISSION POWER OF BASE STATION (dBm)	12.2k-Speech	64kbps	384kbps
(b) TRANSMISSION FEEDER LOSS (dB)	21.00	24.00	-24.00
(c) TRANSMITTER ANTENNA GAIN (dBi)	0.00	0.00	0.00
(d) TRANSMISSION EFFECTIVE RADIATION POWER=a-b+c (dBm)	0.00	0.00	0.00
(e) RECEIVER ANTENNA GAIN (dBi)	21.00	24.00	24.00
(f) RECEIVER FEEDER LOSS (dB)	17.00	17.00	17.00
(g) RECEIVER NOISE FACTOR NF (dB)	1.00	1.00	1.00
(h) THERMAL NOISE POWER DENSITY (dBm/Hz)	5.00	5.00	5.00
(i) INTERFERENCE MARGIN (dB)	-174.00	-174.00	-174.00
(j) TOTAL NOISE (INTERFERENCE + THERMAL NOISE) =g+h+i (dBm/Hz)	6.00	6.00	6.00
(k1) INFORMATION SPEED (kbps)	-163.00	-163.00	-163.00
(k2) INFORMATION SPEED (dBHz)	12.20	64.00	384.00
(l) REQUIRED Eb/(N0+I0) (Λ) (dB)	40.86	48.06	55.84
(m) REQUIRED RECEIVING POWER=j+k2+l (dB)	6.10	3.80	2.70
(n) DHO GAIN (dB)	-116.04	-111.14	-104.46
(o) SHADOWING MARGIN (dB)	3.00	3.00	3.00
(p) MARGIN OF HIGH-SPEED TRANSMISSION POWER CONTROL (dB)	5.30	5.30	5.30
(q) BUILDING PENETRATION LOSS (dB)	2.00	2.00	2.00
(r) ANTENNA BEAM TILT COMPENSATION (dB)	6.00	6.00	6.00
(s) ALLOWABLE PROPAGATION LOSS= d+e-f-m+n-o-p-q-s (dB)	0.00	0.00	0.00
(t) MAXIMUM REACHABLE RANGE (km) (CALCULATED BY REFERENCE 3,ETC.)	142.74	140.84	134.16
	1.88	1.66	1.06